

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application No.	10/038,806
		Filing Date	January 2, 2002
		First Named Inventor	Timothy M. Takeuchi
		Art Unit	2811
		Examiner Name	Vu, Quang D.
Total Number of Pages in This Submission	22	Attorney Docket Number	42390P13557

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> PTO/SB/08  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)  <div>Remarks</div>	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div>Return Receipt Postcard</div>

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Mark A. Kupanoff, Reg. No. 55,349 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	December 9, 2004

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.			
Typed or printed name	Esther L. Campbell		
Signature		Date	December 9, 2004



## FEE TRANSMITTAL FOR FY 2005

2005 Begins 10/01/2004. Fee changes made on 11/22/04 and 12/08/04 are included.)

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known:

Application No. 10/038,806

Filing Date January 2, 2002

First Named Inventor Takeuchi

Examiner Name Vu, Quang D.

Art Unit 2811

Attorney Docket No. 042390.P13557

Applicant claims small entity status. See 37 CFR 1.27.

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account

Deposit Account Number : 02-2666

Deposit Account Name: \_\_\_\_\_

☒ The Director is Authorized to do the following with respect to the above-identified Deposit Account:

☐ Charge fee(s) indicated below.

☒ Credit any overpayments.

☒ Charge any additional fees during the pendency of this application.

☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

☐ Charge fee(s) indicated below except for the filing fee

### FEE CALCULATION

#### 1A. BASIC FILING FEE/SEARCH FEE/EXAMINATION FEE

Large Entity		Small Entity		Fee Description		Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)			
1011	300	2011	150	Utility application filing fee	} 1,000/500*	_____
1111	500	2111	250	Utility search fee		_____
1311	200	2311	100	Utility examination fee		_____
1012	200	2012	100	Design application filing fee	} 430/215*	_____
1112	100	2112	50	Design search fee		_____
1312	130	2312	65	Design examination fee		_____
1013	200	2013	100	Plant filing fee	} 660/330*	_____
1113	300	2113	150	Plant search fee		_____
1313	160	2313	80	Plant examination fee		_____
1004	300	2004	150	Reissue filing fee	} 1,400/700*	_____
1114	500	2114	250	Reissue search fee		_____
1314	600	2314	300	Reissue examination fee		_____
1005	200	2005	100	Provisional application filing fee		_____
SUBTOTAL (1) \$						_____

\* List the filing, search, and examination fees separately, but pay concurrently.

**1B. APPLICATION SIZE FEE**

		<u>Extra Sheets</u>		<u>Fee from below</u>	<u>Fee paid</u>
Total Sheets	_____ - 100 =	_____ /50 =	_____ * X	_____	_____
		*(round up to integer)			
<u>Large Entity</u>		<u>Small Entity</u>			
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1081	250	2081	125		
		<u>Fee Description</u>			
		Utility application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)			
1082	250	2082	125		
		Design application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)			
1083	250	2083	125		
		Plant application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)			
1084	250	2084	125		
		Reissue application fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program listings)			
				SUBTOTAL (2) \$ _____	

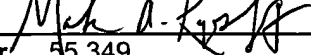
**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

		<u>Extra Claims</u>		<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims	23	- 23** =	0	X	=
Independent Claims	4	- 4** =	0	X	=
Multiple Dependent					=
**Or number previously paid, if greater; For Reissues, see below.					
<u>Large Entity</u>		<u>Small Entity</u>			
Code	Fee (\$)	Code	Fee (\$)		
1202	50	2202	25		
1201	200	2201	100		
1203	360	2203	180		
1204	200	2204	100		
1205	50	2205	25		
		<u>Fee Description</u>			
		Claims in excess of 20			
		Independent claims in excess of 3			
		Multiple dependent claim, if not paid			
		**Reissue independent claims over original patent			
		**Reissue claims in excess of 20 and over original patent			
				SUBTOTAL (3) \$ 0.00	

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee</u>		
<u>Code</u>	<u>(\$)</u>	<u>Code</u>	<u>(\$)</u>		
1051	130	2051	65	Surcharge - late filing fee or oath	_____
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	_____
1053	130	1053	130	Non-English specification	_____
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	_____
1813	8,800	1813	8,800	Request for inter parties reexamination	_____
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	_____
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	_____
1251	120	2251	60	Extension for reply within first month	_____
1252	450	2252	225	Extension for reply within second month	_____
1253	1,020	2253	510	Extension for reply within third month	_____
1254	1,590	2254	795	Extension for reply within fourth month	_____
1255	2,160	2255	1,080	Extension for reply within fifth month	_____
1401	500	2401	250	Notice of Appeal	_____
1402	500	2402	250	Filing a brief in support of an appeal	_____
1403	1,000	2403	500	Request for oral hearing	_____
1451	1,510	1451	1,510	Petition to institute a public use proceeding	_____
1452	500	2452	250	Petition to revive - unavoidable	_____
1453	1,500	2453	750	Petition to revive - unintentional	_____
1501	1,400	2501	700	Utility issue fee (or reissue)	_____
1502	800	2502	400	Design issue fee	_____
1503	1100	2503	550	Plant issue fee	_____
1464	130	1460	130	Petitions to the Commissioner (CFR 1.17(h) Group III)	_____
1463	200	1460	200	Petitions to the Commissioner (CFR 1.17(g) Group II)	_____
1462	400	1460	400	Petitions to the Commissioner (CFR 1.17(f) Group I)	_____
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	_____
1806	180	1806	180	Submission of Information Disclosure Stmt	_____
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	_____
1809	790	2809	395	For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
1814	130	2814	65	Statutory Disclaimer	_____
1810	790	2810	395	For each additional invention to be examined (see 37 CFR 1.129(b))	_____
1801	790	2801	395	Request for Continued Examination (RCE)	_____
1802	900	1802	900	Request for expedited examination of a design application	_____
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	_____
1505	300	1505	300	Publication fee for republication	_____
1803	130	1803	130	Request for voluntary publication or republication	_____
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	_____
1454	1,370	1454	1,370	Acceptance of unintentionally delayed claim for priority	_____
Other fee (specify) _____					_____
Other fee (specify) _____					_____
<b>SUBTOTAL (4) \$</b> _____					

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**Typed or Printed Name: Mark A. KupanoffSignature: Reg. Number: 55,349Date: December 9, 2004Telephone Number: 408-720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



2811  
*[Signature]*

Attorney's Docket No.: 42P13557  
Confirmation No.: 2936

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: )  
 )  
 Timothy M. Takeuchi )  
 ) Examiner: Vu, Quang D.  
 Application No: 10/038,806 )  
 ) Art Unit: 2811  
 Filed: January 02, 2002 )  
 )  
 For: SEMICONDUCTOR PACKAGE WITH )  
 INTEGRATED HEAT SPREADER )  
 ATTACHED TO A THERMALLY )  
 CONDUCTIVE SUBSTRATE CORE )  
 )

Mail Stop Amendment  
Commissioner For Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO OFFICE ACTION

Dear Sir:

In response to the Office Action dated September 9, 2004, Applicant respectfully requests that the above-identified application be amended as follows and that the following remarks be considered:

FIRST-CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on:

December 9, 2004

Date of Deposit

Esther Campbell

Name of Person Mailing Correspondence

*Esther Campbell*  
\_\_\_\_\_  
Signature

December 9, 2004

Date

Inventor(s): Timothy M. Takeuchi  
Application No.: 10/038,806

- 1/17-

Examiner: Vu, Quang D.  
Art Unit: 2811